



Why Waste in Government isn't Necessarily a Bad Thing



In an attempt to reduce landfill fees associated with our Waste Removal Service, ICI implemented a Recycling Program at the Menard Correctional Center over 10 years ago



**It was a modest effort
which basically
consisted of
separating cardboard
from the prison's
waste stream and
baling it in a baler
found at CMS Surplus**

**As you can see from
this photo we literally
did not have a roof
over our heads**



GROWING GREEN



Today the program has grown far beyond the prison's walls now providing recycling services to most municipalities in Randolph County as well as local DHS, IDNR and Historic Preservation sites

Sustainable Expansion is Cost Effective for Taxpayers



The building pictured above was constructed to accommodate the growth & increasing community demand for ICI's Recycling Services

**The majority of the materials used to construct the building were remnants of an old condemned *gas station*, demolished by the City of Chester and later donated to ICI. Randolph County Government provided the funding for the concrete needed for the project. Construction was performed by ICI assigned offenders under staff supervision. Amount of ICI funds expended for construction-
*less than \$2600.00***

ICI Has Worked Closely With Local Leaders to Accommodate Waste Management Needs Unique to the Area

When local Beer Distributors ended the distribution of returnable bottles it created a big waste management issue for local leaders. ICI was ready to step in and help restore the practice of “sustainable” beer consumption in Randolph County by providing an outlet for the orphaned empties.

Over the past 18 months ICI has recycled and sold nearly 250 tons of glass beer bottles.



“Green Beer” is not reserved for St. Patrick’s Day in Randolph County

Fueling a Path to Sustainability

While remnants of the old service station have been reincarnated as a depot to accommodate our drop off trailers you won't find any gas pumps out front.

That's because ICI recycles Waste Vegetable Oil (WVO) and uses it as a feedstock to produce Biodiesel which is used to fuel the vehicles and equipment used in the Recycling Program



Offenders working for ICI programs at Menard gain valuable vocational skills which will give them the opportunity to find employment in the fast emerging “Green Collar” segment of our Economy.

Partnering with Fellow Stakeholders



ICI uses recycled shipping totes to collect the WVO needed to produce Biodiesel. ICI acquired the totes with the help of staff from the Illinois Sustainable Technology Center (ISTC).

Some of the companies ISTC were working with had a problem with disposing of used totes. Arrangements were made for ICI to pick up the totes for WVO collection which meant a win-win for all involved

The Illinois Sustainable Technology Center provided key technical assistance when ICI initiated their Biodiesel production operation. That early help contributed greatly to the eventual success of the program.

It has also allowed ICI staff to become a resource for private sector business start ups & do our part in helping grow the green economy in Illinois.



CNF America Inc.
3305 Water Tower Rd
Marion, IL 62959
866-480-2208

4/10/2009

Mr. Chris Grissom
Illinois Department of Corrections-Menard
Chester, Illinois 62233

Dear Mr. Grissom,

We at CNF America (manufacturers of Carbon Neutral Fuels brand biodiesel) want to thank you and Mr. Gross for your support in helping us launch our biodiesel plant. We believe that we are the first operational biodiesel plant in Southern Illinois. Our plant model relies upon collecting used vegetable oil and kitchen grease wastes as sources for our feedstock. Because we are small and currently have limited capital, your contribution of kitchen wastes, commonly known as yellow grease, have been instrumental in giving us the bridge to sustain our operations, while our sales personnel develop and expand sources from local restaurants.

CNF is a small company and we currently employ four part time employees. A recent hire is a full time SIU-C chemistry student. Because of your assistance in providing the yellow grease we were able to afford this additional key technical position. Additionally, one of your recent work release participants interviewed for a position with our company last fall. Because we could only afford to provide part time employment and he needed full-time work he indicated that our position was not a good fit. As we grow we will continue to hire new employees and will consider placing future work release personnel that have relevant experience into these green collar positions.

Our relationship is a fine example of state government and private company cooperation in creating green collar jobs by developing the capability to manufacture alternative fuels in Illinois. We look forward to continuing our relationship and welcome your comments.

With great thanks and sincerity,

A handwritten signature in blue ink, appearing to read "Mark Schloemann".

Mark Schloemann, VP Sales and Logistics
Michael Becker, President

CC: The Hon. Pat Quinn, Governor of Illinois
The Hon. Gary Foreby, Illinois State Senator 59th District
The Hon. John Bradley, Illinois Representative 117th District
The Hon. Brandon Phelps, Illinois Representative 118th District
The Hon. Jerry Costello, U.S. Congressman 12th District of Illinois

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When it comes to “Sustainability” ICI-Menard’s not a “one trick pony”



GREEN SEAL ENVIRONMENTAL CERTIFICATION



“ENVIROSAFE” HYDROGEN PEROXIDE CLEANER Green Seal Certified



***Concentrate**
***Lemon Scent**
Replaces individual glass cleaners,
spray & wipe cleaners, degreasers,
mopping solutions, carpet spotters,
pre-sprays & bathroom cleaners.

#No.	Size	Price
484-09-100-00	Empty Qt. Spray Bottle	\$1.07
484-09-110-01	Gal Jugs (4)	\$44.00
484-09-110-55	55 Gal. Drum	\$538.00

We produce a wide variety of “Green” cleaning products. Including Green Seal and DfE certified cleaners as well as many items produced from “bio-renewable” and recycled content materials.

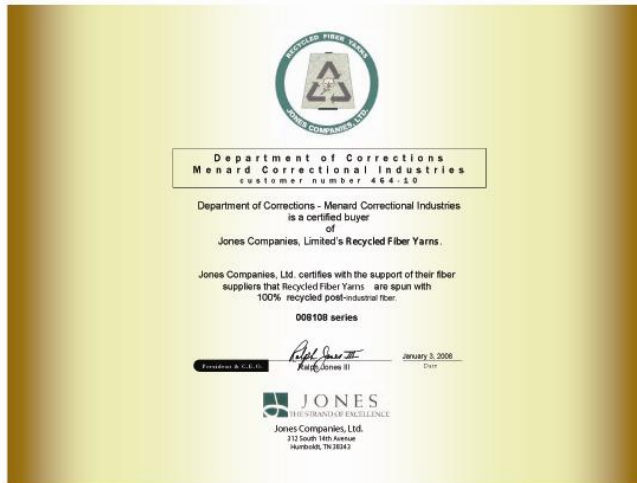
Additionally all of the materials ICI products are packaged and shipped in are 100% recyclable. ICI will even take back our containers & packaging to be re-used or recycled

ICI Acts Responsibly With It's Own Industrial Waste



Menard Correctional Industries RF Buyer Certificate

Illinois Correctional Industries cotton or cotton blend mop yarns are more environmentally friendly than synthetic or 100% polyester mop yarns. Natural fiber mop yarn blends decompose faster than synthetic blend mop yarns such as acrylic or polyester fibers.



ROPE MOP



#No.	Size	Price
485-10-001-12	12 oz.	\$38.00
485-10-001-16	16 oz.	\$42.25
485-10-001-20	20 oz.	\$48.50
485-10-001-24	24 oz.	\$52.40
485-10-001-32	32 oz.	\$59.25

RAYON MOP



#No.	Size	Price
485-10-003-16	16 oz.	\$52.25
485-10-003-20	20 oz.	\$60.00

FLOOR DUSTER MOP



#No.	Size	Price
485-10-004-18	18"	\$ 7.20
485-10-004-24	24"	\$ 9.15
485-10-004-36	36"	\$11.65
485-10-005-18	18"	\$10.30
485-10-005-24	24"	\$13.65
485-10-005-36	36"	\$14.75
485-10-006-18	18"	\$ 2.25
485-10-006-24	24"	\$ 2.50
485-10-006-36	36"	\$ 2.75

LOOP MOP



#No.	Size	Price
485-10-002-12	12 oz.	\$37.75
485-10-002-16	16 oz.	\$46.45
485-10-002-20	20 oz.	\$54.00
485-10-002-24	24 oz.	\$57.25
485-10-002-32	32 oz.	\$78.25

WOOD MOP HEAD HOLDER



#No.	Size	Price
484-10-007-00	Each	\$ 1.75

Instead of land filling textile scraps from our Menard Knit Shop we recycle and process the scraps which go to mills in the U.S. to be made into things like – Mop Yarns! Rope mops are only one of the dozens of products produced in the Knit Shop which has been in operation for over a century.





The respective chemical components for ICI's "green" cleaning products are shipped in 55 gallon plastic drums. Responsibly disposing of the hundreds of empty drums accumulated annually had presented problem for staff. Several dozen drums each year were used by IDNR as trash containers at state parks. The rest were cut into strips and sold on the recyclable commodity market. This labor intensive endeavor yielded meager revenues but was a better alternative compared to landfill disposal.

GGCC Creates A Sustainable Synergy Among Stakeholders



During a break at last year's annual meeting several of us engaged in a conversation about Rain Barrels. That casual conversation led to one of ICI's and the GGCC's most high profile projects of 2009.

The conversation a year ago led to ICI manufacturing low cost rain barrels from the empty drums and using these in part to help promote the goals of rain water collection and water conservation.

Converting the empty drums into Rain Barrels serves as a great example of a successful “*Waste to Profit*” project.

The manufacture of Rain Barrels also helps to grow our “green collar” vocational training experience and presents another opportunity to instill the concept of sustainability to offenders assigned to our programs.



ICI Rain Barrels Make a Big Splash



Since its inception at last year's GGCC meeting the GGCC/ICI Rain Barrel Initiative has resulted in over 500 Rain Barrels being placed throughout the state. Among the more prominent locations where ICI Rain Barrels can now be found are the State Fairgrounds and Executive Mansion.

Over the past several years ICI has worked with organizers of county fairs, festivals and other civic celebrations to help green their events. Two of our more successful efforts have been the Popeye Picnic in Chester and the Murphysboro Apple Festival



Grissom, Ruiz Help Apple Festival Go Green

Murphysboro, Ill. - Former Murphysboro Mayor Chris Grissom and Murphysboro Apple Festival Chairman Mike Ruiz have teamed up to help the Apple Festival go green.

Grissom who is employed by the Illinois Department of Corrections (IDOC) and Illinois Correctional Industries (ICI) is once again reaching out to local communities to promote sustainability and environmentally friendly practices by helping “green” local fairs.

During the five-day event, ICI will be collecting waste vegetable oil from the festival’s food vendors. The oil will be collected in recycled shipping totes ICI obtained through the assistance of the University of Illinois’ Sustainable Technology Center.

The recycled oil will be taken to the ICI-Menard Recycling Center where it will be processed into 100 percent Biodiesel used to power the vehicles and equipment used in ICI’s waste removal and recycling operations based at Menard Correctional Center.

September 2008



Greening the State Fairs



This summer ICI had to opportunity to work with DuQuoin State Fair staff on Governor Quinn's and the GGCC's "Greening Our State Fairs" initiative.

Fair Waste Audit



Under the direction of SIU-C's Andilee Warner and with the cooperation of the DQ Fair's contractual waste hauler, ICI staff and offenders conducted a waste audit of a large representative example of the waste generated during the Fair's first weekend. The primary goal was to determine the volume of compostable food waste generated; with a secondary goal of identifying any recyclable items that for various reasons were not diverted from the waste stream into the recycling containers.

- Approximately 33% of the waste was comprised of plastics with half of those being #1 or #2 plastics and the remainder misc. plastics.
- Approximately 33% of the waste was comprised of compostable food waste/scraps some of which had a small amount of plastic eating utensils mixed in it.
- Approximately 15% of the sample was comprised of corrugated and other cardboard
- Approximately 15% of the sample was aluminum
- The remaining waste was either not easily identifiable or liquids

DuQuoin Fair Recycles



- ICI collected approximately 1000 gallons of Waste Vegetable Oil (WVO) generated from the food vendors at the DuQuoin State Fair. The WVO was transported back to the ICI location at the Menard Correctional Center where it will be processed into biodiesel which is used to fuel the vehicles and equipment used in our recycling program
- The WVO collected from Fair vendors was of a very high quality and has produced a yield of 1 gallon of biodiesel for 1 gallon of feedstock.
- Approximately 18.5 tons of cardboard was diverted from the waste stream and collected by ICI during the DuQuoin State Fair.
- 3,189 pounds of aluminum were collected during the Fair most of it being beer cans and bottles from both beer tents and the grandstands. Aluminum collected for the duration of the Fair was sold for \$1530.72 and a check was forwarded to the Combined Veterans Association on 11/02/09.
- Several hundred pounds of various plastics and a small amount of glass was also collected during the Fair.



Illinois Correctional Industries

P.O. BOX 22, 711 Kaskaskia Street
Menard, Illinois 62259

Governor Pat Quinn

Michael P. Randle
Director

December 9, 2009

Mr. Bernard E. Johnson
Combined Veterans Association
506 Welty Avenue
Rockford, IL 61107

Dear Mr. Johnson:

Please find enclosed a check for \$1,530.72 made payable to the Combined Veterans Association. This check represents the proceeds from the sale of the recycled empty aluminum beer cans & bottles collected during the DuQuoin State Fair.

Both Illinois Correctional Industries and DuQuoin Fair staff are pleased that the cooperative efforts to help "green" Illinois' State Fairs resulted in the opportunity to "give something back" to those your organization so tirelessly advocates, our Illinois Veterans.

Sincerely,

Chris Grissom, PSA
Illinois Correctional Industries

cc: Kate Tomford
Donna Lindemulder
Dave Sapp
Jeff Robinson
John Rednour, Jr.



On a final note

A common statement we heard over the years from many of the offenders we've worked with is
"I've wasted my life".

Our primary mission in ICI will always be, for those who truly want to make a change, to help those individuals "reclaim" that wasted life.

